

## Electronic Patent Application Fee Transmittal

|   |                                  |                 |               |                             |
|---|----------------------------------|-----------------|---------------|-----------------------------|
| <b>Application Number:</b>                  | 10751170                         |                 |               |                             |
| <b>Filing Date:</b>                         | 30-Dec-2003                      |                 |               |                             |
| <b>Title of Invention:</b>                  | MEMORY CONTROLLER                |                 |               |                             |
| <b>First Named Inventor/Applicant Name:</b> | Kulwinder Dhanoa                 |                 |               |                             |
| <b>Filer:</b>                               | C. Bart Sullivan/Krista Merrimac |                 |               |                             |
| <b>Attorney Docket Number:</b>              | 15114H-071300US                  |                 |               |                             |
| Filed as Large Entity                       |                                  |                 |               |                             |
| <b>Utility      Filing Fees</b>             |                                  |                 |               |                             |
| <b>Description</b>                          | <b>Fee Code</b>                  | <b>Quantity</b> | <b>Amount</b> | <b>Sub-Total in USD(\$)</b> |
| <b>Basic Filing:</b>                        |                                  |                 |               |                             |
| <b>Pages:</b>                               |                                  |                 |               |                             |
| <b>Claims:</b>                              |                                  |                 |               |                             |
| <b>Miscellaneous-Filing:</b>                |                                  |                 |               |                             |
| <b>Petition:</b>                            |                                  |                 |               |                             |
| <b>Patent-Appeals-and-Interference:</b>     |                                  |                 |               |                             |
| Post-Allowance-and-Post-Issuance:           |                                  |                 |               |                             |
| Utility Appl issue fee                      | 1501                             | 1               | 1400          | 1400                        |
| <b>Extension-of-Time:</b>                   |                                  |                 |               |                             |

| Description       | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|-------------------|----------|----------|--------|----------------------|
| Miscellaneous:    |          |          |        |                      |
| Total in USD (\$) |          |          |        | 1400                 |